### (19) World Intellectual Property Organization

International Bureau



## . I DERDA BILIZARIA DE BIRIO BIRIO ERRIT BARRA RIBIA DA PARA BERNA DE BIRIO BARRA BIRIO BERNA BIRIO DE DE BIRI

## (43) International Publication Date 10 March 2005 (10.03.2005)

**PCT** 

# (10) International Publication Number WO 2005/021055 A1

- (51) International Patent Classification<sup>7</sup>: A01M 1/20
- A61L 9/12,
- (21) International Application Number:

PCT/CH2004/000529

- (22) International Filing Date: 20 August 2004 (20.08.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0320510.1

2 September 2003 (02.09.2003) GE

- (71) Applicant (for all designated States except US): GIVAU-DAN SA [CH/CH]; Chemin de la Parfumerie 5, CH-1214 Vernier (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BROWN, Colin [GB/GB]; 135 Binfield Road, Bracknell Berkshire RG42 2BD (GB). NAISH, Guy Edward [GB/GB]; 28 Mullein Road, Bicester Oxfordshire OX26 3WE (GB). GOHIL, Kishen [GB/GB]; 21 Consfield Av., New Malden Surrey KT3 6HB (GB).

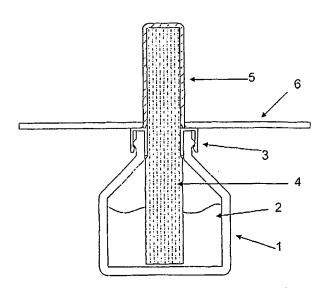
- (74) Agent: MCSTEA, John, Anthony; Ueberlandstrasse 138, CH-8600 Duebendorf (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

[Continued on next page]

(54) Title: DISSEMINATING DEVICE FOR VOLATILE LIQUID



(57) Abstract: An apparatus adapted to disseminate volatile liquid, such as a fragrance, into an atmosphere comprises a reservoir (1) containing volatile liquid and, extending into and therefrom, an essentially cylindrical liquid transfer member (4) that transfers liquid from the reservoir to an evaporating surface (6) through which the transfer member passes by means of a hole in the evaporating surface. The evaporating surface comprises a rigid sheet that extends essentially laterally from the transfer member and bears on its surface capillary channels adapted to accept liquid from the transfer member and spread it over the surface of the evaporating surface. The transfer member is elastically compressible in diameter, with a diameter in its non-compressed form greater than that of the hole, and, prior to putting into service of the apparatus, is held in a compressed form of diameter smaller than that of the hole, such that, when the compression is released, the transfer member expands into liquid transfer contact with the evaporating surface. This ensures optimal liquid transfer contact between transfer member and evaporating surface.



A 2005/001055 A

### 

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.